U. S. NATIONAL ARBORETUM
OCT 30 1962
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ATTENTION – Growers of Tree Seedlings, Potted and Transplants, and Christmas Trees – NURSERIES

HOW TO CARE FOR YOUR TREES WHEN YOU RECEIVE THEM

Here is important information to remember. Remove the plants promptly from shipping containers. Dip roots in water and plant as soon as possible. It is well to puddle trees in mud before planting. **Do not let the roots dry out at any time.** Set tree at about the same depth that it grew at the nursery. **Firm the ground around the roots.** Tramp around the trees behind the mechanical planter. If heeling in is necessary, select a well-protected area, away from sun and winds. Dig a trench about 6" to 8" deep. Cover roots with damp soil and keep well-watered until planting time. **Keep roots moist**, but do not keep them flooded.

It is desirable to plant the smaller sizes of seedlings in transplant beds for at least a year. In field and transplant bed, weed competition should be controlled. Transplanting develops a better root system and plants can withstand unfavorable field conditions better. Trees in the transplant bed can be properly watered.

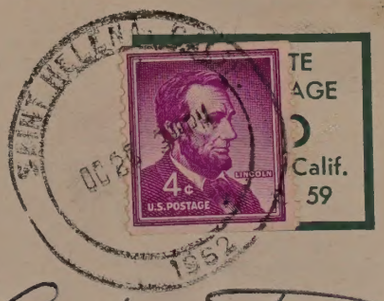
I visited your last week.

Critchfields Evergreens

TREE FARM and NURSERY
GLASS MOUNTAIN RANCH

On the Silverado Trail • St. Helena, Calif.

Letter Mail



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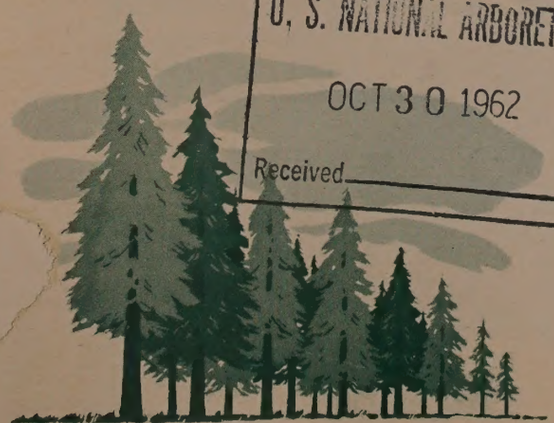

A PINTO TAG NURSERY

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For Nursery and Tree Farm G

CRITCHFIELD EVERGREENS MAKE ATTRACTIVE POTTING STOCK

Shown above are: 1. Giant Redwood, 2. Ponderosa Pine, 3. Dawn Redwood, 4. Deodara, 5. Douglas Fir, 6. Nordmann's Fir, 7. Arizona Cypress, 8. Oriental Spruce, 9. Beach Pine, 10. Scots Pine, 11. Italian Cypress, 12. Colorado Blue Spruce, 13. Lawson's Cypress, 14. White Spruce, 15. Coast Redwood, 16. Italian Stone Pine.

Below—a view of the seedbeds. In foreground, Ponderosa Pine, then Black Hills Spruce, Mugho, Colorado Spruce, Giant Redwood, Red and White Fir, Arizona Cypress, Monterey Pine, and Scots Pine.

Critchfields offer evergreens to the nurseries and to Christmas tree growers of the West and Southwest as bare root, felt-potted, a limited quantity potted in gallons and fives, and some 2- 3-year-old trees in the ground which nurseries can lift, bag and ball, at their convenience, or we will sell bare root, lifted.

Shipments can start as soon as planting areas are ready, or seedlings are hard enough to lift for potting. We do not recommend field planting until the rains start. The 1960-1961 season of harvesting will probably run from November to April. Last year, late orders could not be filled due to early new soft growth.

Our bare root stock is carefully lifted, washed, sorted to size desired by customers, and handled and packed to always maintain a moist condition of the roots. Many growers and nurseries, too, have substantial losses because the roots were not kept properly moist and from the air, either by them or the growing nursery.

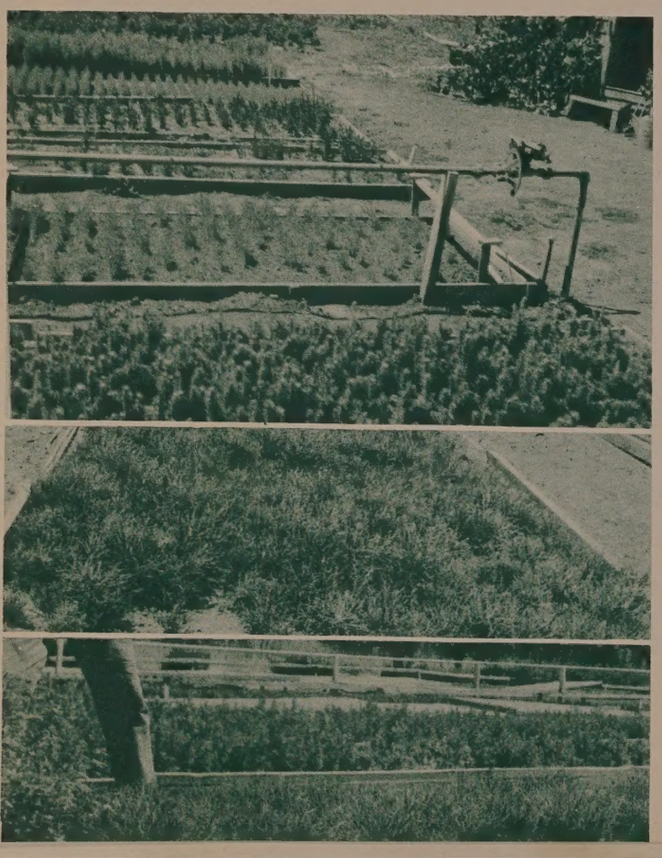
We urge buyers to come here for trees when they can, arranging by letter or telephone in advance so that the trees are available and ready. Be sure to send word ahead. We are a working nursery, have a small staff, and like to give progressive customers personal attention on their problems. We think such assistance will make their ventures more profitable.

Our felt-potted or wrapped trees, packed in boxes of 50 (pick them up or they can be shipped by motor freight or express), have become a very popular retail item in nurseries and supermarkets. Some stores have sold a thousand or more in a few days. The package is illustrated on the next page and is about 1½" x 1½" x 6". We like to get this felt-potted stock well root-established before delivery. They can be planted any time and wrappers need not be removed, roots go right through them. Many growers like felt-potted trees as planting is simpler. Felts can be bought in boxes of one variety or several. We try to send word of shipment the day before or the day the shipments go. We try to ship when you want them. Our every effort is to furnish you trees that will grow, thrive and develop and be profitable and a delight to you.

Your county farm advisers can be most helpful in your tree ventures. They know species that will thrive, when and how to plant, and have access to University of California trained technicians. We can draw on additional practical sources.

Our current prices are somewhat tentative and not complete, but when the crop has developed and advances another couple of months we will issue another list available to anyone interested. Send us a request now for continuation on our mailing list and give us an idea of what you have in mind to plant, with any questions you have, especially species, sizes and quantities. We should mention that last year we could not take care of all of our orders for Giant Redwoods. We sold about a hundred thousand of these fast-growing, fine shaped trees; also Beach Pine, Grandis, and some sizes of Douglas Fir. It is an advantage to you to make your reservations early.

Christmas tree growing in California is proving an attractive and profitable venture. Older growers have become convinced that the best quality, best grown seedlings and transplants are the most profitable. Get well-grown stock that the nursery considers ready for field planting. Smaller plants at lower prices can be secured and held by you in transplant beds to advantage. An important consideration in your planning is to get trees adapted to this area.



GIANT REDWOOD, *Sequoia gigantea.* Native of the Sierra. A rapid grower. Becoming popular as a Christmas tree, especially in southern California. Makes 4 to 6 feet in three years in some plantations. Has natural Christmas tree shape. Demand is heavy for seedlings for ornamental and Christmas tree planting.

COLORADO SPRUCE, *Picea pungens.* Color varies from light green and blue-green to very bluish. A formal tree. Thick foliage and stiff branches. Not a fast grower. Very popular.

WHITE SPRUCE, *Picea glauca.* Attractive light green to blue-green foliage. More rapid grower than Colorado Spruce. Widely used as ornamental and Christmas trees on Atlantic Coast. Has potential here.

COAST REDWOOD, *Sequoia sempervirens.* Tall, a native of the California coastal region. We have some seedling stock this year.

ARIZONA CYPRESS, *Cupressus arizonica.* Beautiful cone-shaped or narrow-headed tree with bluish foliage. Resists sun and drought. Rapid grower. Excellent for hedges, screens and windbreaks. Can be shaped for Christmas trees.

ITALIAN CYPRESS, *Cupressus sempervirens.* Makes a tall slender column beautifully covered with rich green, fine-textured foliage.

DEODAR CEDAR, *Cedrus deodara.* Tall tapering tree, broad at base, with graceful weeping tip growth, leaves bright green. Quite thrifty.

ITALIAN STONE PINE, *Pinus pinea.* One of the most picturesque of the pines. A tall, fast grower. Long spreading branches, umbrella-shaped top. Seed from Italy.

MONTEREY PINE, *Pinus radiata.* Fast grower, tall, narrow, symmetrical form, clothed with needles of deep green. With proper pruning make attractive, good-shaped Christmas trees. Can be developed at 3 to 4 years.

Growers of Bare Root Seedlings, Potted and Potting Stock

PRICE LIST, SEPTEMBER 1960

Prices Subject to Change Without Notice

Variety and Age	Height, Inches (approx.)	Prices, FOB St. Helena. In California include 4% Sales Tax or send exemption certificate with order. Small Lots	100	500	1,000
Monterey Pine					
all 1-0	4-6		$ 6.00	$15.00	
	7-12		10.00	20.00	$35.00
	over 12	20 for $ 5.00	12.50	25.00	40.00
Sequoia gigantea	under 4			10.00	17.50
1-0, 1-1 and 1-2	4-6		8.00	20.00	30.00
transplants	6-8		10.00	25.00	45.00
	8-12		12.50	30.00	
	12-20	20 for 10.00			
	over 20	10 for 10.00			
Arizona Cypress	under 4			10.00	17.50
1-0 and 2-0	4-8		8.00	20.00	35.00
	8-12		10.00	25.00	40.00
	larger	25 for 10.00			
Beach Pine	under 4			15.00	
1-0, 2-0 and	4-8		8.00	25.00	
transplants	8-12		10.00	35.00	
	larger	25 for 10.00			
Colorado Spruce					
1-0, 2-0, 3-0 and	under 3		8.00	20.00	
transplants	3-6		10.00	25.00	
	6-10	20 for 5.00	12.50		
	12-15	10 for 10.00			
	15-20	10 for 15.00			
	Select blues will be priced on request.				
White Spruce	under 7		8.00	25.00	
3-0 and	8-10	20 for 5.00	15.00	35.00	
transplants	10-12	10 for 9.00	35.00		
	over 15	10 for 12.50			
White Fir (Concolor)	under 3		8.00	20.00	
and **Red Fir** (Magnifica)	3-6		9.00	25.00	
2-0, 3-0 and	5-10	20 for 5.00	12.50	37.50	60.00
transplants	larger	20 for 10.00	25.00		

Variety and Age	Height, Inches (approx.)	Prices, FOB St. Helena. In California include 4% Sales Tax or send exemption certificate with order. Small Lots	100	500	1,000
Incense Cedar	6-10		$8.00	$20.00	$35.00
3-0	10-16		10.00	25.00	40.00
	over 16	40 for $10.00	15.00		
Bishop Pine	under 4		6.00	15.00	
2-0	4-8		9.00	25.00	
	8-12	20 for 5.00	12.00	35.00	
	12-20	20 for 8.00			
Douglas Fir					
1-0, 2-0, 3-0, 4-0	under 4			10.00	
and transplants	5-8		8.00	25.00	40.00
	8-12		10.00	30.00	50.00
	12-18	25 for 8.00	12.50	35.00	60.00
	18-24	50 for 10.00	15.00	40.00	
	large select	10 for 10.00			
	large select	50 for 40.00			
Scots Pine	under 4			10.00	17.50
1-0, 2-0, 3-0,	5-8		8.00	25.00	40.00
4-0 and transplants	8-12	50 for 5.00	10.00	30.00	50.00
	12-18	20 for 5.00	12.50	35.00	60.00
	18-24	40 for 10.00	20.00	50.00	75.00
	special large	10 for 10.00			
	special large	50 for 35.00			

1-0 means a season in seedbed; 1-1, a season in seedbed plus a season in liner or transplant bed.

Varieties in developmental stage will be priced in October-November supplement, or on request. State quantities you might want.

Pinus brutea, Dwarf Tyrolean Mugho, Dwarf Mugo mughus, Pinus ponderosa, Nordmann's Fir, Black Hills Spruce, Bristlecone Pine, Lowland White Fir (Grand Fir, Abies grandis), Oriental Spruce, Balsam Fir, Cedrus deodara, Italian Stone Pine, Japanese Black Pine, Lodgepole Pine, Silver Maple, Norway Spruce, Bornmulleriana Fir, Pinsapo Fir, Italian Cypress.

Seller's liability shall not exceed amount of invoice. Any claim must be made within 20 days. Nursery is open week ends in November and December only, except on appointment. Please telephone.

Felt-potted—Boxes of 50, Colorado Spruce $12.00, others $10.00 per box.

MUGHO PINE, *Pinus mugo mughus.* A dwarfish, low-speading dense pine that is used for planting boxes, foundations, and specimens.

NORDMANN'S FIR, *Abies nordmanniana.* One of the very best firs, dark glossy needles, green above, silvery beneath. Grows rather slowly. Seed from Turkey.

BEACH PINE, *Pinus contorta.* Natural shapeliness, compact, rich green color. Has not been used in many plantations, but it and its hybrids give promise of becoming popular Christmas trees.

INCENSE CEDAR, *Libocedrus decurrens.* Fast growing, quite adaptable to many areas. Drought resistant. Sturdy, thrifty seedlings. Used as ornamental, for windbreaks, screens. Popular tree.

ORIENTAL SPRUCE, *Picea orientalis.* A rather dainty specimen tree, seed for which was obtained in Turkey. Should be attractive in small containers for house and patio.

DOUGLAS FIR, *Pseudotsuga taxifolia.* This is the great lumber tree of the Pacific. Furnishes the great bulk of western Christmas trees cut in the forests. Most popular of the trees selected for plantations. A Douglas Fir will reach six feet in about 6 years from field planting of seedlings. With some pruning becomes very attractive. Visitors to Glass Mountain this year marvel at the excellent stands of Douglas.

WHITE FIR, *Abies concolor.* A great tree in its proper environment, but should not be planted extensively under two or three thousand feet altitude unless conditions are otherwise favorable. This is one of the sought-after trees at the Yule time. A slow grower, probably ten to twelve years. White Fir is sometimes called Silver Fir. Thrives well in the Sierra and high areas.

RED FIR, *Abies magnifica.* This is the popular Silver Tip. Brings high prices. There is a question whether it should be planted below three to five thousand feet. Does not thrive too well outside of its environment. Beautiful tree, but slow growing.

SCOTS PINE, also **SCOTCH PINE,** *Pinus sylvestris.* The most popular in Christmas tree plantations of the eastern states. Scots Pine is hardy, quite drought resistant, a very rapid grower and does well on both good and poor soil. Responds to good care. Thickens up with moderate pruning. About the only serious problem with Scots Pine is to get them cut early or spray to hold their deep green. This has not proven a very difficult problem. Do not fail to see the Scots field plantings at Glass Mountain. We are trying seed from Turkey and many other sources that hold their color well.

AUSTRIAN PINE, *Pinus nigra.* Does not differ from Scots very much except that needles are a little longer and color is a little deeper. Austrian is gaining in favor over the country.

BISHOP PINE, *Pinus muricata.* Much like Monterey but with somewhat longer needles and deeper green. A fast grower. Requires as much or more pruning for Christmas trees as Monterey. Has considerable potential.

GRAND or **LOWLAND WHITE FIR,** *Abies grandis.* The seven rows on the west side of our plantation show the good features of Lowland White. Much faster than Concolor. Should make attractive Christmas trees next year.

BALSAM FIR, *Abies balsamea.* From Turkish seed. This is a fir we are experimenting with. Not a fast grower.

BORNMULLERIANA FIR, *Abies bornmulleriana.* Another fir in our experimental lot. Seed from the eastern Mediterranean.

DAWN REDWOOD, *Sequoia.* We have a limited number in pots. This is the deciduous member of the Sequoia family. Has proven a very fast grower. A specimen tree for lawn or patio.

Write to University of California at Berkeley for Metcalf's "Growing Christmas Trees" and other related publications.

Give any extra copies you receive to your 4-H Club.

KNOW YOUR TREES

Critchfields Evergreens

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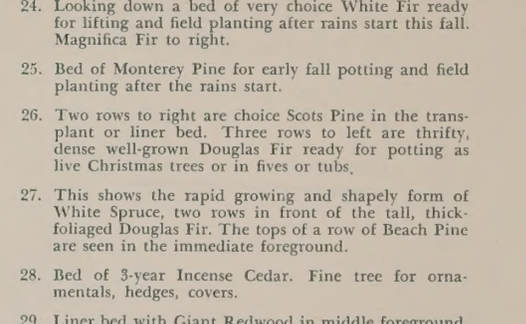
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Felt-Potted Seedlings

DESCRIPTION OF ILLUSTRATIONS

All of the pictures except red and white fir are of Critchfield trees.

1. Giant Redwood, 3 years, very fast grower.
2. Popular deep green Bishop Pine.
3. Scots Pine, most popular Christmas tree in the East.
4. Monterey Pine on stump two years after first cutting.
5. Beautiful and graceful Arizona Cypress.
6. A block of Redwoods now in 4th summer. Easy to grow.
7. These 4th summer Scots Pine have made real trees.
8. A thousand Scots Pine ready for Christmas trees.
9. Californians like dense short-needled Douglas Fir.
10. Lots of well-shaped Douglas Fir for 1960 Christmas.
11. These Douglas Fir are quite fast growers, dense.
12. Douglas Firs will not be difficult to select.
13. Italian Stone Pine, ornamental of the Mediterranean.
14. Shaping Arizona Cypress, shearing to stiffen branches.
15. A block of Arizona Cypress ready for Christmas tree cutting.
16. An outstanding and typical Colorado Blue Spruce.
17. A fine Douglas Fir ready for a little final trimming.
18. Incense Cedar, a quick grower, very adaptable.
19. Stone Pine that will make a beautiful Christmas tree.
20. Typical young Monterey Pine, will thicken with pruning.
21. The buyer of this Scots Pine will be proud of it.
22. Seedling beds. Critchfield trees are shipped to many countries. Shading is required on many species from one to four months.
23. Left row is a good stand of Giant Redwood, then a bed of Grand or Lowland White Fir. To the right, Arizona Cypress ready for early fall lifting. Arizona Cypress is the Christmas tree of the Southeast.
24. Looking down a bed of very choice White Fir ready for lifting and field planting after rains start this fall. Magnifica Fir to right.
25. Bed of Monterey Pine for early fall potting and field planting after the rains start.
26. Two rows to right are choice Scots Pine in the transplant or liner bed. Three rows to left are thrifty, dense well-grown Douglas Fir ready for potting as live Christmas trees or in fives or tubs.
27. This shows the rapid growing and shapely form of White Spruce, two rows in front of the tall, thick-foliaged Douglas Fir. The tops of a row of Beach Pine are seen in the immediate foreground.
28. Bed of 3-year Incense Cedar. Fine tree for ornamentals, hedges, covers.
29. Liner bed with Giant Redwood in middle foreground. Easy to grow.
30. Red, California or Magnifica Fir, the very popular Silver Tip. University of California Photo.
31. White Fir, Concolor Fir, sometimes called Silver Fir. White and Red Fir are beautiful Christmas trees, but slow growers in the Napa Valley and probably in areas under 2,000-3,000 feet. University of California Photo.
32. A very fine example of Monterey Pine that has been properly shaped.
33. Not well known but with good potential in lower altitudes and warmer areas. Lowland or Grand Fir. Will make a premium tree in another year with judicious pruning to hold back height and get density.
34. Nurseryman checking growth of a fine bed of Giant Redwood planted in March 1960. This will make premium plants by December. These Redwoods are becoming our most popular item. We have some Coast Redwood.
35. Nordmann's Fir, considered one of the best firs. This bed will go into pots at the nursery or for potting by nurserymen who want the best.
36. Ponderosa has rather a limited demand but is a fast grower. At the left is Japanese Maple, and the further row is White Fir ready to lift for field planting.
37. Colorado Spruce ready for lifting.
38. Nurseryman at bed of Black Hills Spruce.
39. Thrifty Scots Pine ready for field planting or potting.
40. Beautiful Colorado Spruce in Glass Mountain Ranch lawn.
41. Three boxes of felt-potted or wrapped seedlings. Giant Redwood in middle. Wrapper can be left on when planted. Make low-cost, attractive Christmas gifts.

Critchfields Evergreens

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To Our Christmas Tree Buyers

This message is directed to each of the many hundreds of Northern California families that came to Glass Mountain Ranch in the past three years and selected a Christmas tree, cut it, enjoyed an outing in beautiful green Napa Valley, and had their holiday season made more enjoyable because they had obtained, with their own effort, a fresh attractive tree for their home.

The plantation has developed almost phenomenally during the intervening months. There are several thousand fine trees from which to select yours. The Scots Pine and Douglas Fir have grown very fast, very uniformally, and have been trimmed enough to put most of them in a premium class. There will be plenty of Redwoods and some sizable trees in the Monterey, Bishop and Redwood blocks, even above 8 and 10 feet. Our prices will generally be lower than last year. You are going to be surprised at the dense foliage that you will find in the Critchfield trees this year. They are different from the trees you find in the stands. This density and fine quality is the result of the special care we give our trees and is due to the growing conditions at Glass Mountain Ranch. Did you know that nature removes needles yearly from most conifers? The dead needles you see in some of the trees are a natural thing. Shake them out.

Although it is somewhat of a problem for us, many people want to select their trees early as they drive back and forth to Lake County or make trips to the Napa Valley or are on an early fall outing. We will continue to accept early orders again after November 1. As in the past, you can come and select a tree, pay for it, and red-tag it. Only one instance occurred where there was confusion. The tree selected and paid for and red-tagged must have been a pretty good tree for someone took the tag off it (a Monterey) and placed it on an adjoining young fir. When the early buyers returned and saw their tag on the fir they found another satisfactory pine and went home happy. We accepted quite a few orders last year from people who wrote and asked us to reserve trees, telling us what they had in mind, species, shape, size. We red-tagged them. All proved satisfactory as far as we know.

You folk have been a great factor in the success we have had with our Christmas tree plantation. Some of you have referred many friends to us. We think you will enjoy the pictures and descriptions in this brochure. There is no other publication that we know of which identifies this group of western pines, firs, spruces and Redwoods. If you want to send us the names of about a dozen or two of your neighbors or other families whom you think might like one of these brochures and might want to have an enjoyable outing in the most beautiful valley of California, visit America's finest wineries (most of the wineries are open to vistors from mid-forenoon to 4:30 or 5:00 p.m. every day), visit the hundred-year-old Bale Mill across the valley, see the West's outstanding tree farm and nursery, give their children a good run over the tree plantation, pick out a tree they like and cut it themselves, we will appreciate receiving the names and addresses. When you come up for your tree we will present you with a potted tree or shrub.

Clubs, churches, social organizations and scout groups have found retailing of trees to be an excellent source of income to finance their projects. Maybe we can be helpful to them. People are getting tired of the thin-branched, dry, early-cut forest trees. Write us for information.

While we are thinking along these lines, let us remind you that you can keep your trees fresh for several weeks by hanging in the garage with the base of the tree in water or moist sand. Do not let them get dry.

Try to take time to see the tree nursery. Children will be very much interested in the young seedlings. We grow our trees from seeds. We secure the seeds from all over the world—Turkey, Italy, Israel, Japan, France, and Austria. We also ship seedlings to many countries.

Many people bought potted trees in cans or in the felt wrappers to be used as gifts. We will have packages ready of a dozen or so of the felt-potted small trees at a low price.

The following directions will be helpful if you have not been up here. If you come via Napa, get on the Silverado Trail at the *southeast* corner of Napa and drive about 20 miles until you see the tree farm on your right. If by the Golden Gate, Sonoma or Marin counties, come to the *southwest* corner of Napa, then continue on the freeway to St. Helena and on north about 2 miles to Lodi Lane. Come right across the bridge to Silverado Trail, then turn left for 5/8 mile to Glass Mountain Ranch. From Calistoga, get on the Silverado Trail, and come 6 miles south. May our trees bring happiness and joy to your home this Christmas.

References: Bank of America NT & SA, St. Helena, Calif.
State Extension Services, Forestry Departments, Farm Advisers.

BURKE H. CRITCHFIELD
Phone WO 3-2372
St. Helena

HARRY M. CRITCHFIELD
Phone WO 3-2314
St. Helena

HERMANN SUTER, Nurseryman

REDWOOD REGION TREE FARM NO. 35
CERTIFIED BY CALIFORNIA REDWOOD ASSN.

Member California Christmas Tree Growers Assn.
Member Pennsylvania Christmas Tree Growers Assn.
Member California Association of Nurserymen